

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **04253974 A**

(43) Date of publication of application: **09.09.92**

(51) Int. Cl

**C07D401/12**  
**A01N 47/36**  
**C07D213/75**  
**C07D401/14**  
**C07D405/14**  
**C07D409/14**

(21) Application number: **03100628**

(22) Date of filing: **05.02.91**

(71) Applicant: **ISHIHARA SANGYO KAISHA LTD**

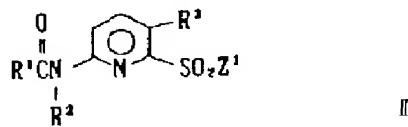
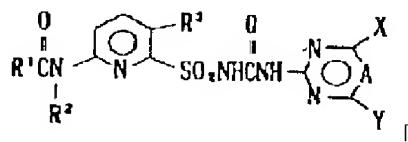
(72) Inventor: **SAKASHITA NOBUYUKI**  
**NAKAJIMA TOSHIO**  
**MURAI SHIGEO**  
**YOSHIDA TSUNEZOU**  
**NAKAMURA YUJI**  
**SAWAKI MASAHICO**  
**MOTOSAWA SHOICHI**

(54) **SULFONYLUREA COMPOUND, ITS PRODUCTION  
AND HERBICIDE CONTAINING THE SAME**

(57) Abstract:

PURPOSE: To provide a new compound useful as an active component of a herbicide exhibiting broad herbicidal spectrum at low rate of application.

CONSTITUTION: The compound of formula I ( $R^1$  is cycloalkyl, alkoxyalkyl, phenyl, pyridyl, thienyl, furyl, pyrazolyl or pyrazinyl;  $R^2$  is alkyl, haloalkyl, etc.;  $R^3$  is H, halogen, alkyl, etc.; X and Y are halogen, alkyl, alkoxy, etc.; A is  $=CH-$  or  $=N-$ ), e.g. 4-trifluoromethyl-N-[6-[(4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]aminosulfonyl]pyridin-2-yl]-N-methylbenzamide. The compound can be produced by reacting a compound of formula II [ $Z^1$  is  $-NH_2$ ,  $-NCO$  or  $-NHCO_2R^4$  ( $R^4$  is alkyl or aryl)] with a compound of formula III ( $Z^2$  is  $-NH_2$  when  $Z^1$  is  $-NCO$  or  $-NHCO_2R^4$  and  $Z^2$  is  $-NCO$  or  $-NHCO_2R^4$  when  $Z^1$  is  $-NH_2$ ).



COPYRIGHT: (C)1992,JPO&Japio